

What Is Claimed Is:

1. A computer system in a vehicle, having at least two computers that take over different tasks,

wherein the distribution of the tasks among the at least two computers takes place according to the significance of the functions for the driving of the vehicle, essentially driving-related functions being implemented in a first computer, and non-driving-related functions being implemented in a second computer.

2. The computer system as recited in Claim 1,

wherein the driving-related functions are vehicle-specific functions.

3. The computer system as recited in one of the preceding claims,

wherein the driving-related functions contain specific information connected with the operation, navigation, or driving of the vehicle, and/or the warning and the orientation of the driver, i.e., these functions form the driver-related HMI and a driver information system.

4. The computer system as recited in one of the preceding claims,

wherein the non-driving-related functions are entertainment-specific functions.

5. The computer system as recited in one of the preceding claims,

wherein the driving-related functions include at least one of the following functions:

navigation systems, an HMI logic system or an HMI manager that control or evaluate the displays and the operation of the vehicle, speech recognition or speech synthesis software, programs for outputting driving instructions or driver warnings, and the representation of two-dimensional maps for orientation, while the non-driving-related functions include at least one of the following functions: Internet browser, services download, the representation of three-dimensional graphics, applications for entertaining passengers, games, video reproduction systems, digital video broadcast systems, or the connection of connectable portable devices such as laptops or PDAs.

6. The computer system as recited in one of the preceding claims,

wherein the computer for the non-driving-related functions is a powerful multimedia computer.

7. The computer system as recited in one of the preceding claims, wherein at least one interface is provided between the first and the second computer.
8. The computer system as recited in one of the preceding claims, wherein the first computer is connected to internal vehicle buses.
9. The computer system as recited in one of the preceding claims, wherein computing-intensive functions of the driving-related part are computed in the non-driving-related part.
10. The computer system as recited in one of the preceding claims, wherein the driving-related computer gives computing-intensive tasks to the computer of the non-driving-related part, the computer of the driving-related part executing these task itself if the other computer is not available.
11. A multimedia computer for use in a motor vehicle, wherein the multimedia computer implements entertainment functionalities and is connected via at least one interface with an additional computer that implements driving functions.